



DIALOG(R)File 351:Derwent WPI  
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**Hair-treating agent composition, contains fluorescent whitening dye and benzylalcohol, N-methyl-2-pyrrolidone and/or ethylene carbonate derivatives as penetration-promoting agent**

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1 patents, 1 countries

**Patent Family**

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 2001302473	A	20011031	JP 2000119908	A	20000420	200241 B

Priority Applications (no., kind, date): JP 2000119908 A 20000420

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2001302473	A	JA	5	0	

**Alerting Abstract JP A**

NOVELTY - A hair-treating agent composition comprises a fluorescent whitening dye and at least one compound selected from benzylalcohol (I), N-methyl-2-pyrrolidone (II) and ethylene carbonate (III) derivatives as penetration-promoting solvent.

DESCRIPTION - A hair-treating agent composition comprises a fluorescent whitening dye and a benzylalcohol of formula (I), N-methyl-2-pyrrolidone of formula (II) and/or ethylene carbonate of formula (III) or their derivatives as penetration-promoting solvent.

<http://imagesrv.dialog.com/imanager/getimage?ref=I9921ab2063b211da99f600008361346f&f=351&type=PNG>

R1= H, methyl or methoxy;

R2= single bond, methylene or ethylene;

R3= H, methyl or ethyl;

a= 0-2;

R4= 1-18C, optionally branched alkyl;  
and

R5= H, methyl or ethyl.

USE - The composition is optionally available and formed in liquid, gel, cream, emulsion, spray or foam form.

ADVANTAGE - The composition allows the fluorescent whitening dye to penetrate into hair efficiently and prevents bleeding of dyes from dyed hair, resulting in improved dyeing performance and fastness after shampooing.

**Technology Focus**

ORGANIC CHEMISTRY - Preferred Components: The fluorescent whitening dye is selected from distilbene, benzooxazole, naphthalimide, benzimidazole, pyrazoline and coumalin derivatives.

Compound (I) is preferably benzyl alcohol, 2-benzyloxyethanol, phenoxyethanol, phenoxy isopropanol and methylphenoxyethanol.

Compound (II) is N-methyl -2-pyrrolidone.

Compound (III) is preferably selected from ethylene and propylene carbonate.